

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled)

2. (Currently Amended) ~~Passive microbolometer (12) achieved by the method according to claim 1, characterized in that~~ A device for detection of thermal radiation comprising:

at least one active microbolometer and at least one passive microbolometer formed simultaneously on a single support substrate, each comprising:
a suspended membrane performing the function of radiation absorber, thermometer and electrical connection, the membrane comprising a thermometric element and a radiation-absorbing element performing the electrical connection;
a reflective screen being formed on the substrate except at locations corresponding to the active microbolometers, the passive microbolometer being formed on the reflective screen which comprises at least one metallic layer in contact with the absorbing element of the membrane, the reflecting screen (17) is reflective screen being arranged underneath the membrane (22) membrane, in contact with the absorbing element (13) element of the membrane.

3. (Currently Amended) ~~Microbolometer~~ The device according to claim 1 claim 2, characterized in that ~~wherein~~ the thickness of the metallic layer (18) layer is about 500Å to 2000Å.

4. (New) A method for production of a device for detection of thermal radiation comprising:

at least one active microbolometer and at least one passive microbolometer, each comprising a suspended membrane performing the function of radiation absorber,

thermometer and electrical connection, the membrane comprising a thermometric element and a radiation-absorbing element performing the electrical connection, the active and passive microbolometers being formed simultaneously on a single support substrate;

a reflective screen being formed on the whole of the device, and then eliminated opposite the locations of the active microbolometers, the passive microbolometer formed on the reflective screen which comprises at least one metallic layer in contact with the absorbing element of the membrane, the reflective screen being arranged underneath the membrane, in contact with the absorbing element of the membrane.

5. (New) A method for production of a device for detection of thermal radiation according to claim 4, wherein the reflective screen is arranged directly underneath the membrane and in direct contact with the absorbing element of the membrane.